*the stamens inserted in their claws. Seed one, invested with the calyx.* The species *Caroliniana* has its *scape round* and *panicled; its leaves obovate-lanceolate, smooth, obtuse, mucronated, and flat on the margin.*

The root of this plant is perennial, large, fleshy, fusiform or branched. Several tufts of leaves and scapes are often produced from the same root. The leaves are narrow-obovate, supported by long petioles, smooth, veinless, obtuse, mucronated by the prolongation of the middle rib, level and flat on the margin, in which respect they differ from S. limonium, which is undulated. Scape round, smooth, furnished with a few scales, flexuous at top, giving off numerous branches, which end in spikes of flowers; the whole forming a large panicle. The base of each branch and flower is supported by an ovate, mucronated scale. The flowers are alternate, erect, consequently one sided in the horizontal branches; mostly in pairs, but appearing single from one expanding before the other. They grow on a short, forked peduncle, which is concealed by several sheathing scales, part of which are common to the two, and part peculiar to the upper one. The calyx is funnel shaped, five angled, the angles ciliate and ending in long acute teeth with sometimes, not always, minute intermediate teeth. The upper part of the calyx is scarious and of a pink colour. Petals spatulate, obtuse, longer than the calyx, pale bluish purple. Stamens inserted in the claws of the petals, anthers heart shaped. Germ small, obovate, with five ascending styles shorter than the stamens. Seed oblong, invested with the persistent calyx.



The root, which is the officinal part of the Marsh Rosemary, is one of the most intense and powerful astringents in the vegetable materia medica. It communicates to the mouth an highly austere and astringent taste, combined with a good deal of bitterness. Few vegetable substances, when chemically treated, give more distinct and copious evidence of the presence of both tannin and gallic acid. The sulphate of iron strikes a fine purple colour with the solution, and soon deposits a precipitate, which, on exposure to the air, becomes of an inky blackness. Gelatin also throws down a copious, whitish, insoluble precipitate. Resin hardly exists in this root, nor any thing else exclusively soluble in alcohol. The impregnation with sea salt is readily made obvious.

Dr. Mott, Professor of Surgery in the University of New York, has published an interesting

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